

# J. H. WILLIAMS & Co.

# NEW YORK, N. Y.

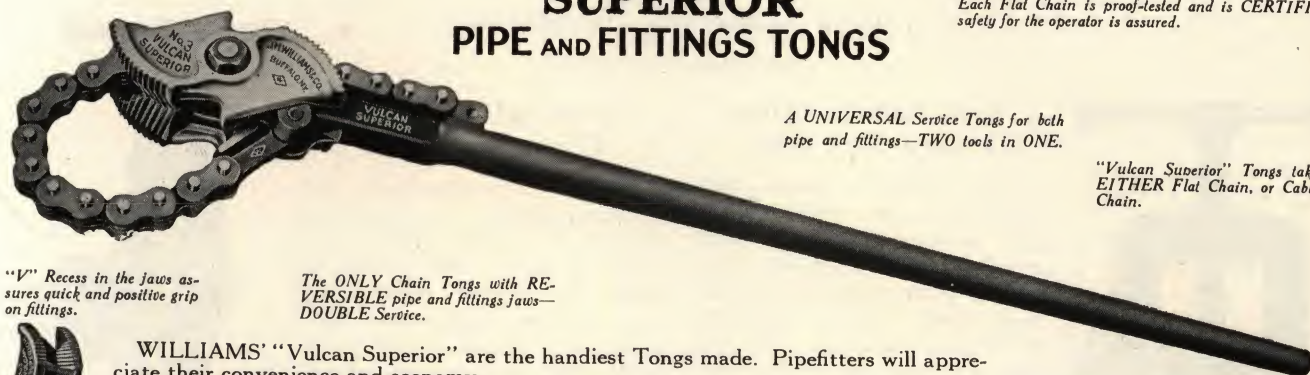
Sales and General Offices—75-77 Spring St.

Works and District Warehouse  
Buffalo, N. Y.

**WILLIAMS**  
SUPERIOR DROP-FORGED TOOLS

District Warehouse  
117 N. Jefferson St., Chicago

## VULCAN SUPERIOR PIPE AND FITTINGS TONGS



Each Flat Chain is proof-tested and is CERTIFIED; safety for the operator is assured.

A UNIVERSAL Service Tongs for both  
pipe and fittings—TWO tools in ONE.

"Vulcan Superior" Tongs take  
EITHER Flat Chain, or Cable  
Chain.

"V" Recess in the jaws as-  
sures quick and positive grip  
on fittings.

The ONLY Chain Tongs with RE-  
VERSIBLE pipe and fittings jaws—  
DOUBLE Service.



WILLIAMS' "Vulcan Superior" are the handiest Tongs made. Pipefitters will appreciate their convenience and economy.

**Convenience:** Since they serve BOTH pipe and fittings, two tools as commonly used (one for pipe and one for fittings) are unnecessary.

**Economy:** Their REVERSIBLE jaws give double life. When the teeth first in use wear, simply unscrew the bolt and turn the jaws end-for-end.

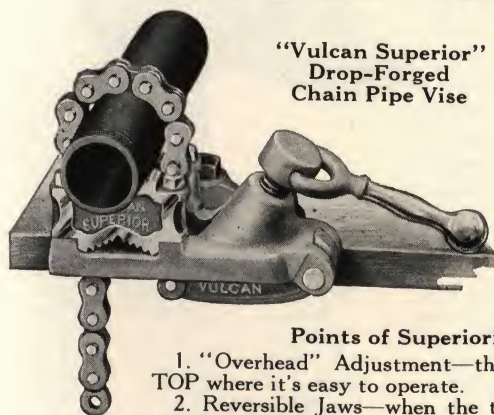
The "V" Recess in the jaws, combined with their general design, gives "Vulcan Superior" a greater number of grips or "bites," both on pipe and fittings, than ordinary tongs. One-spot wear on the teeth is prevented and ease in operation provided.

**Fully guaranteed. All parts interchangeable.**

Number	0	1	2	3	3½	4	5
For Pipe and Fittings, inches.....	½ to ¾	¾ to 1½	¾ to 2½	¾ to 4	1 to 6	1½ to 8	2 to 12
Extreme Length.....	13¾	20	27	37	44½	50½	64½
Weight, pounds.....	2	5½	10	17	26	34	54
Flat Link Chain							
Breaking strain, pounds.....	3,600	6,700	9,800	12,500	14,300	15,700	21,800
Cable Chain							
Breaking strain, pounds.....	1,800	6,000	9,000	12,500	14,300	15,700	21,800
Price, Complete.....	\$5.00	\$7.00	\$10.00	\$14.00	\$18.00	\$22.00	\$36.00
Extra Chain.....	1.50	2.00	3.00	5.00	7.00	9.00	15.00
*Extra Jaws, per pair.....	2.00	3.50	5.50	8.00	9.50	11.00	15.00
Extra Bolt and Nut, per set.....	.28	.36	.46	.60	.70	.90	1.30

\*Extra Jaws supplied in pairs unless otherwise called for. If only a single jaw is wanted, specify Right or Left.

## Williams' "Vulcan" Drop-Forged Chain Pipe Vises



"Vulcan Superior"  
Drop-Forged  
Chain Pipe Vise

"Vulcan"  
Drop-Forged  
Chain Pipe Vise



THE ORIGINAL  
CHAIN PIPE VISE

### Points of Superiority

1. "Overhead" Adjustment—the handle is ON TOP where it's easy to operate.
2. Reversible Jaws—when the teeth first in use wear, remove the screws and turn the jaws over.
3. Larger Capacity—each vise takes pipe ½-inch larger than other chain pipe vises of similar size.

Two styles of finish: Chrome-plated and standard with orange panel in jaws.

Wholly made from tough wrought steel. Fully guaranteed. Packed one in a box for shelving.

These vises are made entirely of tough wrought steel—no castings are used. DROP-FORGED base, handle and jaws, with teeth saw-tempered for file sharpening. The chains are of the same quality as those of our "Vulcan" Tongs.

Standard finish, with orange panel in jaws.

Unbreakable, light, compact, rapid in action, positive in grip. Fully guaranteed. Packed one in a box for shelving.

No.	For Pipe Sizes	Weight Each Pounds	Prices, Vises and Extra Parts					
			Jaws, Pair		Chain Without Chain Arm		VISE, Complete	
			Std. Finish	Chrome Plated	Standard	Plated	Standard Finish	Chrome-Plated
11	½ to 2½	7	\$3.30	\$4.00	\$2.00	\$2.20	\$10.00	\$12.00
12	¾ to 4½	15	7.70	9.00	3.60	4.00	19.00	22.00

No.	For Pipe Sizes	Weight Each Pounds	Price, Vise and Extra Parts					
			Jaws Pair	Chain with Screw	Screw	Handle and Nut	Nut	Vise Complete
1	½ to 2	4	\$ 3.00	\$ 2.50	\$0.80	\$2.20	\$1.40	\$ 7.00
2	¾ to 4	10	7.00	4.80	1.40	4.20	2.70	15.00
3	½ to 6	18	12.00	9.00	2.50	7.00	4.00	27.00
4	¾ to 8	30	18.00	12.00	2.50	7.00	4.00	36.00